

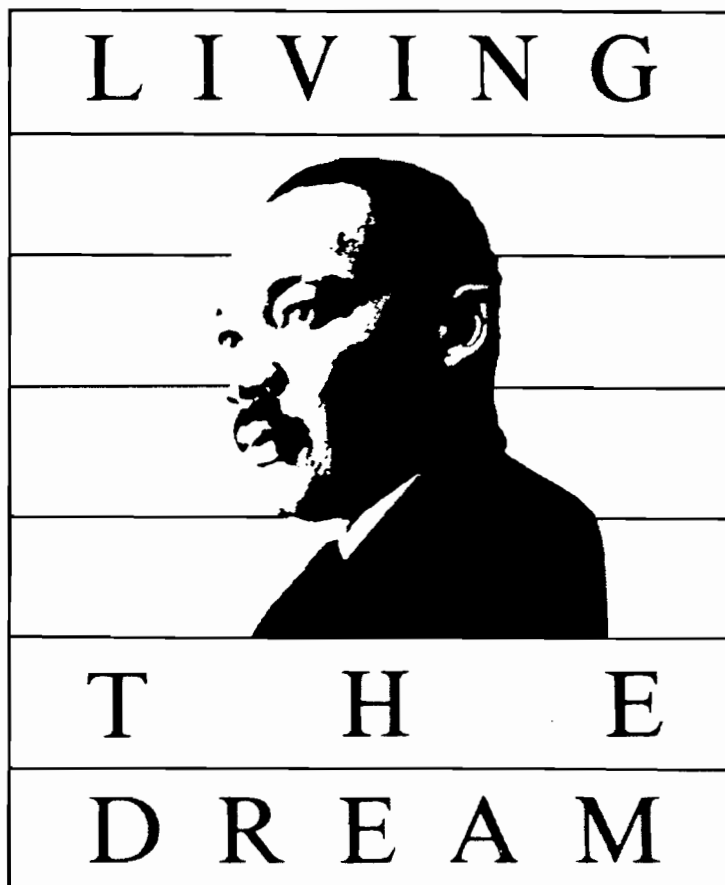
ST. LOUIS ARMY ENGINEER DISTRICT

ESPRIT

VOL. 26 NO. 1

JANUARY 1989

King tribute Jan. 6 to 16



(See stories on pages 8 & 9)

Corbin's Comments by Col. James E. Corbin



Hi Folks! Hope you had a good Holiday and came back refreshed and ready to get after it again. Actually I suspect most of us came back to recover from family and friends.

I had promised a discussion on the exciting term - PROCESSES. Well, I fooled myself. I'm not quite ready to get into that in a lot of detail just yet. However, PROCESSES to me are the way we do business with each other and the world around us. They are far more important than any single project or action and ultimately dictate whether - WE SUCCEED OR FAIL - WHETHER WE HAVE A GOOD WORK ENVIRONMENT OR NOT - AND

ULTIMATELY WHETHER WE HAVE A GOOD QUALITY OF LIFE OR NOT. So, next to you, they are the most important items I have to worry about!

In the months ahead, several of the division and branch chiefs are going to put "pen to paper" to tell you what their activities are doing; what their priorities are; and what you can do to help us. If you see some of them walking around with "furrowed brow", it's because they just read this. Oh well, hang in there gang. No one said it would be easy, just interesting.

Enough about PROCESSES for now. Remember this District is yours. It belongs to you! If we aren't as good as you want us to be, then challenge us to be better! But, if we have a problem, please come complete with a recommendation or two about solving it, if you can. Open communication between all of us is critical. Things are never going to be perfect; but I don't want you to have "heartburn" unless you must, and then at least it should be about the right things.

An example would be A-76 studies. I understand how most of you feel about A-76. The only thing I can do is keep everything in the open and ensure we do the best professional job we can. The Deputy will continue to personally oversee it and ensure that we clearly lay before you what is occurring.

In the months ahead, I will use this space to try to drive home my philosophy and to bluntly influence the "District's attitude" in certain areas.

The most important of those areas is "PEOPLE" - you, me and the person next to us and our families. I recently inadvertently offended some folks in the Personnel Division when I wrote a note on something and indicated that "people" were too important to be left to Personnel. The intent was not to degrade the folks in Personnel in any way - THEY DO A TREMENDOUS JOB - but rather to drive home to some supervisors that it was our job, our NUMBER ONE PRIORITY to do the right thing with those entrusted to our care. In fact, that's the NUMBER ONE PRIORITY for each of us! Sometimes it is easy. Sometimes, if an adverse action is necessary, it is extremely hard. But in all cases, it is our responsibility to help, advise, counsel, care for and, if necessary, discipline each other. We cannot abdicate that responsibility. All too often I have seen us do that in the federal government.

It is far too easy to "LET GEORGE DO IT" - a slight play on words. Sorry GEORGE. The point being the Personnel Division is there to assist, help, counsel and, by law/regulation, do certain things. And they will. However, the buck stops with a person's supervisory chain of command.

In the months ahead, we will also look at some functional adjustments as we enter the world of Project Management, Customer Care, useful management tools and active public involvement.

I realize that some will feel concerned, possibly even threatened. DON'T WORRY! What we are going to do is strengthen our ability to do things on time, within cost and with open public involvement. I do not believe we are talking about jobs, but we are talking about the future of the District. If we wait for the future, then we will be talking about jobs somewhere down the line.

We aren't going to wait! We are going to do our level best to force our future and have a say in it, within reason. Some of the results will show up during my tour, but, if we're successful, most will show up later.

Next month, and in the following months, we'll talk about our Vision of the Future, our path to it. I'll introduce our full-time Deputy for Project Management, Jack Niemi, and his charter, and we'll discuss our "wellness/fitness" program and other quality of life endeavors.

See you next month!



US Army Corps
of Engineers
St. Louis District

ESPRIT is an unofficial publication authorized under the provisions of AR 360-81. It is published monthly, by contract, in 1300 copies, by the Public

Affairs Office, U.S. Army Engineer District, St. Louis. Views and opinions expressed in this publication are not necessarily those of the Department of the Army.

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Running



NEWS

The District running team has been very active since article #1. We've participated in every major fall race in the St. Louis area.

On November 20, 1988, team members J. Corbin, Mike Brazier, Jerry McClintock and Tom Ruff completed the St. Louis Marathon. Jerry finished first in three hours, 38 minutes. All starters finished, a noteworthy accomplishment on the severe snowy, slushy, cold day.

Two weeks later, John Dierker, Jerry McClintock and Roger Hoell completed

the Great River Road Run on November 26, 1988 at Alton, Illinois. Perfect weather and great times won the Corps team recognition in local running circles.

We fielded two teams in the St. Louis Marathon Relays on December 11, 1988. Corps team #1 finished in three hours, eight minutes. Members were J. Corbin, B. Brown, Jerry McClintock and John Dierker. Corps team #2, Mike Brazier, Carol Kreutzer, Tom Ruff and Ann Ruff completed the course in three hours, 29 minutes.

We are having a lot of fun holding the Corps banner high. Our next big effort is the River to River Run, April 15, 1988. It's an 80-mile, eight-member team relay. There will be many fun opportunities to run, jog and meet between now and then. The team needs and wants members. Participating in events is totally optional. Our purpose is to have FUN, build camaraderie and district spirit. The only qualification for membership is desire. Contact Corbin, Brown, Dierker, Brazier or McClintock.

Happy physical fitness

George Clapp recognized

George Clapp (OD-N) received a certificate of recognition from the Upper Mississippi Basin Association (UMBA) upon his retirement from the St. Louis District. The UMBA lauded George for his important contributions to navigation planning and operations.

Thanks to blood donors

I, along with the American Red Cross, would like to thank each of you that donated blood in our recent Blood Drive and those who made an attempt to give. We did not reach our goal of 75 pints, but came close with 69 pints. The next Corps-sponsored Blood Drive will be in late May 1989.

Vivian Ratliff



US Army Corps of Engineers
St. Louis District

TECHNICAL LIBRARY

St. Louis Public Library extends borrowing privileges

Corps employees -- as well as others working for the government, non-profit agencies, and businesses located in St. Louis city -- who live in the St. Louis Metropolitan area are now eligible along with city residents to receive without charge a St. Louis Public Library Borrower's Card.

The Tech Library, Room 928, is working hand-in-hand with the Public Library to register interested individuals. To save yourself a walk through the cold weather, just drop by anytime Monday through Friday between now and the 31st of January and sign up for the St. Louis Public Library Borrower's card here! We'll take care of the rest of the paperwork and get your personal library card back to you right away!

Non-St. Louis city resident applicants will be expected to show proof of current employment within the city of St. Louis (such as, a business card, etc.), as well as proof of residence within the St. Louis metro-

(Continued on next page)

LIBRARY (cont. from page 3)

politan area (such as, driver's license). Apply in person, 1301 Olive, or phone for more information, 241-2288.

Mississippi uncovered

Terry Norris, archaeologist in the Environmental Analysis Branch will regale listeners with the exciting finds that the low waters this spring revealed on the river bottom of the Mississippi River, Wednesday, January 25 at 1130 hours in the Technical Library, Room 926. To inaugurate the reinstatement of the library lunchtime lecture series, we will celebrate "Brown Bag Lunch Exchange Day." Come and enjoy a surprise lunch and a good talk! Coming in February: "St. Louis--Soon to be another Armenia?"

District softball players wanted

The District is looking for interested players for the upcoming 1989 softball season. Contact Rob Davinroy or Don Coleman at 3-5858 for details.

The Dutt Dilemma

You've seen him with and you've seen him without. The question is: Will the District be better off with Owen Dutt's face covered by a beard, or bare for all to see? ESPRIT will pass the results on to Owen.

Dutt's Face

☐ With ☐ Without

NEWS BRIEFS

'Typical' Fed

"Typical" Fed - According to the Office of Personnel Management the "typical" federal employee is 49.1 years old and has 13.1 years of government service. About 33 percent of fulltime federal workers have bachelor's degrees or higher, 57 percent are men and 7 percent have handicapped status. OPM says that 26.9 percent are minority groups members - 16.8 percent Black, 5.2 percent Hispanic, 3.2 percent Asian/Pacific Islander and 1.7 percent Native American. The average annual base salary for 1988 is \$28,617 and the average grade, GS-8.3. -- taken from the Weekly Federal Employees' News Digest.

Choisser baby

Procurement Assistant Brenda Choisser gave birth to a 7 lb. 2 oz. boy on November 28, 1988. The baby, Seth Allan is doing fine as is his mother.

Handicap deer hunt

The Rend Lake Handicapped Deer Hunt wound up the year on the 11th of December with a total kill of 16 deer. Eight-one percent of the deer harvested were bucks and 57 percent of the hunters were successful. Two hunt-

ers bagged nine-pointers and several deer weighed in at 175 pounds.

Wappapello Christmas tree

Through a joint effort by the Wappapello Lake Steering Committee and the staff at Wappapello Lake, a Christmas tree was lighted to symbolize pride in the community and in America. Two hundred twenty people witnessed the lighting of the 65-foot Norway Spruce as they gathered around a fire, drank hot cocoa and sang Christmas carols. The tree remained lighted through 2 January 1989.

Achaeological supper

The Kaskaskia Archaeological Society (KAS) held their annual potluck supper on 19 December. Members who volunteered the required number of hours for the Corps of Engineers received patches from Jim Sandberg, Volunteer Coordinator at Lake Shelbyville. The club contributed 420 hours for the year. The hours were spent creating new exhibits for the Visitor Center and organizing special events and archeological digs.

Hunter safety course

On 11 December the Corps of Engineers sponsored a (Continued on next page)



On the Soapbox

Telling the District's story last month were:

Melvin Price L&D

Jack Vizer gave a presentation and tour of the project to Scout Troop #713 and the Kansas City Rotary.

Bill Brown and Sig Groetsch also gave a tour to approximately 310 students of the Roxanna Elementary and Jr. High Schools.

Captain Seaman gave a tour to members of the Engineer Officer Basic Corps.

Carlyle Lake

Park Ranger Lawrence Williams presented a slide show on recreation opportunities to 16 students of physical education at Southern Illinois University at Edwardsville.

Wappapello Lake

Park Rangers Andrew Jefferson and Art Ruebenson were on the KJEZ radio show "Outdoors with Dennis Keeney". Andrew discussed the Wappapello Lake community Christmas tree lighting ceremony and other upcoming events. Art spoke about duck hunting and the effects of recent rainfall on the lake level.

Park Rangers Dan Camden and Sue Mueller each discussed the Old Greenville Historical Program with

various newspapers. Ranger Doug Nichols spoke with the Wayne County Journal Banner about the Greenville Campground expansion.

NEWS BRIEFS

(Continued from page 4)

Hunting Safety Course in the Visitor Center at Lake Shelbyville. Larry Henry, a representative from the state CER, along with two volunteers, conducted the course for a group of 35 hunters ranging in age from 10 to 40. This course instructs hunters on the proper handling of guns, hunting safety techniques, water safety and good sportsman practices. Park Rangers Jim Sandberg, Lee Ann Montoya and Dee Kessel assisted the instructors in various tasks throughout the day.

Around the District

Claude Strausser, Chief, Potamology Section addressed approximately 150 people at Ste. Genevieve. This was the dedication of the Great River Road Interpretive Center. Claude discussed the Corps' attempts to restore the Mississippi River to its original (before man's influence) condition as seen by the early valley settlers.

Gary Dyhouse spoke to a River and Harbor Engineering class at the University of Missouri-Rolla, concerning the October 1986 flood and its effects in the St. Louis area.

Jim Hill (PD-R) and Anne Vieira (OD-R) were featured speakers at the PRIDE, INC. monthly meeting in Alton, Illinois. Jim and Anne discussed development plans for the new Visitor Center at Melvin Price Locks and Dam.

Bill Sutton (DP-A), Bruce Moore (ED-G) and Tom Leicht (ED-DA) spoke to 150 engineers at the National American Society of Civil Engineers Convention in St. Louis about Melvin Price Locks and Dam Project.



Promotions and Incentive Awards



PROMOTIONS:

Carolyn Clark, PO
Lee T. Ross, IM
Mary Matecki, RE
Loretta Jenner, CT
Rosemary Puricelli, DC
Michael Dace, ED

EXCEPTIONAL PERFORMANCE RATINGS:

Linda Werner, OD
David Kirkpatrick, ED
David Busse, ED
Teresa Montgomery, OD
David Berti, OD
Kathryn Kime, ED
Theodore Moore, ED
John Cullen, ED
Robert Barkau, ED
Faro Rodakowski, PD
Anthony Giardina, PD
Ernest Graf, ED
Antoinette Mueller, ED
Alan Berman, ED
Obbie Thompson, ED
Tamara Atchley, ED
Michael Dace, ED
Sharon Leeker, ED
Rickey Kemp, OD
James Lampe, OD
Robert Eifert, OD
Stanley Zurweller, CD
William Nettles, RE

SPECIAL ACT/SERVICE AWARDS:

Timothy Nelson, RE

Sharon Cotner, PD
Robert Alder, IM
Richard Andersen, IM
Frederick Bader, ED
Dennis Stephens, ED
Kathleen Kornberger, DC
David DeBourge, DC
Catherine Gieselman, DC
James Gregory, DC
Steven Huskey, DC
Jackie Jones, DC
Leroy Kaiser, DC
Joann Will, DC
Jean Kuethe, DC
Martha Plyler, DC
Marilyn Sanderlin, DC
Helen Schleipman, DC
Elaine Sombright, DC
David Steger, DC
Carolyn Foster, DC
Richard Schaumburg, DS
Carol Kreutzer, ED
Edward Mitchell, DC
Fred Shepherd, DC

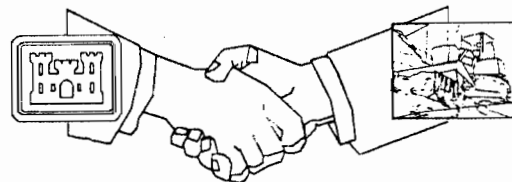
PERFORMANCE AWARDS:

William Nettles, RE
David Berti, OD
Richard Reiter, CD
Nicholas Miller, OD

QUALITY STEP INCREASE:

Gary Camp, RE
Teresa Montgomery, OD
Anthony Giardina, PD

Construction Productivity Advancement Research



By Robert W. Page
Assistant Secretary of the
Army
For Civil Works

It is clear that the U.S. construction industry has been losing its competitive edge to foreign contractors. It is equally clear that a major reason for the gain by the foreign competition is in its research and development (R&D) investment: R&D investment in the U.S. construction industry - 0.39 percent of annual sales, with only 0.06 percent of annual sales in one of the largest U.S. firms.

It is also eminently clear that, with the limited markup possible on its jobs, the typical U.S. construction company cannot sustain an in-house research and development capability. The U.S. construction industry needs help. The Construction Productivity Advancement Research (CPAR) Program is one form of that help. I believe that CPAR can meet that need to the benefit of our industry and our nation.

What is CPAR?

The CPAR Program is a cost-shared R&D investment partnership between the U.S. construction industry and the Army Corps of Engineers. It makes available the Corps' substantial R&D base: a staff of 2,000 performing \$250 million of construction industry-related R&D annually at six Corps laboratories.

This capability - properly partnered with the constructor, the A/E, the material manufacturer, the construction manager, and the academic - can be a critical factor in identifying, developing, or applying a few technology advancements to increase the productivity of the construction industry. Although limited, it can demonstrate the urgency and payoff of R&D directed to those challenges identified by practicing construction professionals.

Industry As a Partner

In CPAR, industry challenges can be expressed by professional, trade, and volunteer associations; individual firms; and universities, individually or together. These organizations or consortia would join with a specific Corps R&D laboratory on a particular technology advancement. The challenges that the industrial partners articulate will be based on their knowledge of productivity inhibitors.

As partners, they would help to identify practical technology-based improvements with productivity payoffs high enough to displace current practice. As partners, they would monitor the technological develop-

ment and participate in the decisions leading to its success or in scrapping an apparent failure. As partners, they would help demonstrate the practicality of a development, in specifying its training, and in marketing it. They would also assist in its venture capitalization.

Such partnering requires a solid commitment to the successful development and application of technology; such a commitment can be demonstrated best by sharing the cost of this work. The cost shared by the industrial partner would be calculated on the degree to which the technical improvement would affect the non-Army market. The Corps' CPAR contribution would reflect its impact on the Army market. Cost sharing may include cash, personnel, equipment, material, or intellectual property in any combination.

The Project Manager

These partnership business arrangements involving the Corps' R&D community and the construction industry are authorized by the Technology Transfer Act of 1986. The specific instrument is the Cooperative R&D Agreement (CRDA). Each arrangement would be detailed in scope, technical content, mission applicability, and legal considerations to satisfy the requirements of both parties.

Each arrangement would identify a project manager - a professional acceptable to both parties - who would be responsible for planning, R&D, testing, and facilitating the marketing of the product as detailed in the

CRDA. This manager can be from the Corps' R&D partner, the industry partner, or a third party. The research could be done in an academic institution, a private firm, a laboratory of another federal or state government organization, a professional society, a trade association, a voluntary association of firms, or in a Corps R&D laboratory.

The Payoff

CPAR is a bold step for initiating R&D to improve the U.S. construction industry's productivity. It is designed to be an economical, affordable, initial program in which technology advancements can be developed and incorporated into the mainstream of the construction industry. Even in the initial CPAR, we expect a dramatic payoff. CPAR provides a vehicle for the construction industry to amass the critical R&D base it needs to improve productivity.

The CPAR initiative is founded on the authority set forth in the Stevenson-Wydler Technology Transfer Act of 1980 and, at present, can only be implemented within the framework of activities authorized by that Act. The Department of the Army has initiated action to secure additional legislation which would give the Department greater flexibility in encouraging industry productivity and taking actions which are not contemplated under existing law.

DoD to pay tribute to King Jan. 6 to 16

By Sgt. Maj. Rudi Williams,
USA
American Forces Information
Service

Some 122 representatives from 37 states, the Virgin Islands and the military services gathered in Atlanta last July to plan for the fourth national holiday honoring Martin Luther King Jr.'s birthday. His widow, Coretta Scott King, challenged them to use the holiday to bring more "meaning and substance to the elimination of poverty, racism and violence worldwide."

King's birthday anniversary is celebrated on the third Monday of January each year. This year's DoD worldwide observance will run from January 6 through January 16, to coincide with the dates of the national tribute.

"Representatives from all services, including the Coast Guard, attended the planning committee meeting," said Air Force Col. Bill Walton, the Department of Defense's director for military equal opportunity policy.

"The main thing they (commission officials) want

DoD to do is get involved in celebrating the holiday in terms of using the theme to motivate and educate people throughout DoD," said Walton.

This year's theme is: "Living the Dream: Let Freedom Ring! (for universal peace with justice, human rights, social and economic progress for all peoples through Kingian non-violence.)"

"The 'Living the Dream' theme will be emphasized in the secretary of defense's letter to the services worldwide," said Walton. "The service secretaries are encouraged to participate in such a way that it will translate down to the installations."

The holiday commission is asking that celebrations be aimed at "people to work with people to help people." Some social problems they intend to focus on include substance abuse, teen-age pregnancy, school dropouts and pushouts, homelessness, hunger and illiteracy.

Activities should "touch the lives of those in need, including children at risk, senior citizens, the handicapped, persons suffering from injustice, victims of discrimination and the disenfranchised," according to the Martin Luther King Jr. Heritage Action Projects.

*When we
to ring...
able...to
and sing...*



Atlanta, King's birthplace and the site of the Martin Luther King Jr. Center for Non-violent Social Change Inc., is the centerpiece of the annual observance. Special activities are focused in the nation's capital.

In Washington, the national holiday events will take place on Monday, January 9, 1989. The observance will include a presidential proclamation ceremony at the

King Commission, DoD produce teachers guide

By Sgt. Maj. Rudi Williams
American Forces Information
Service

The Department of Defense and the Martin Luther King Jr. Federal Holiday Commission have jointly produced a booklet called "Learn a Bration" for use in schools nationwide and in Department of Defense Dependents Schools overseas.

"It's a teacher's handbook for instructing young people on the life of Martin Luther King Jr.," said Claire E. Freeman, DoD's deputy assistant secretary of defense for civilian personnel policy. "It includes his 'I Have a Dream' speech, excerpts from his well-known speeches and sermons and some of his lesser known writings that give a feel for who this man was and why we're celebrating his birthday. We gave them to the commission to distribute to schools throughout the nation."

In further explaining the booklet's contents, Allen D. Jackson, the commission's deputy executive director, said, "It's a compendium of educational material related to Dr. King for use by educators in teaching about the life and works of Martin Luther King Jr. It has something about the holiday, a bibliography of his writings and suggested teaching activities for a teach-in that's conducted in the mode

of the old-fashioned sit-ins.

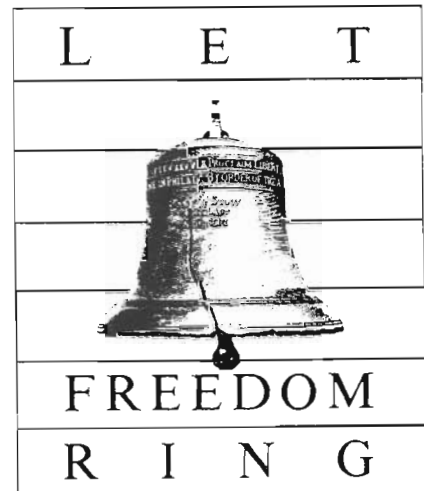
"In addition to teaching materials, there are education activities for children in grades K (kindergarten) through 3, the middle grades and high schools," said Jackson.

"The booklet also includes poems, plays and crossword puzzles, all related to Dr. King. There is an extensive bibliography that lists films, videos and other resources.

"The idea was to pull together the material documents so teachers can't say they don't have material to conduct classes about Dr. King's life," said Jackson.



White House, a peace and justice service in the Rotunda at the U.S. Capitol in cooperation with national peace organizations and the Vietnam Veterans Association, a diplomatic reception at the State Department and a musical tribute to King, at the Kennedy Center Concert Hall.



The Constitution in 1789: Setting up the government

By Jim Garamone
American Forces Information
Service

Many people are under the impression that once the Constitution was written, everything went well in the United States until the Civil War.

Wrong.

Setting up the federal government in 1789 was no easy task.

"The military experiences of George Washington and the men elected to office served as a basis for the federal government," said Robert Wright, an expert in the Constitution at the Army's Center of Military History. "The trust developed on the battlefield between these men allowed the development of the executive branch to go very smoothly."

The election of George Washington was confirmed by Congress on April 9, 1789.

"Congress was supposed to meet on March 4, but only eight senators and 13 representatives had arrived in New York City," Wright said.

"They weren't able to get a quorum until April 6."

Washington's election was a foregone conclusion.

"That's part of the reason why things went so smoothly, because people knew and trusted the man who was going to be the president," he said. "The electors (of the Electoral College) had two votes. Washington was everyone's first pick. John

Adams was the second, so he became vice president."

Washington's experience made him the only man for the job. His political experience consisted of service in Virginia's House of Burgesses, service with the First and Second Continental congresses and as president of the Constitutional Convention. His service as commander in chief of the Continental Army was even more important. "He virtually was the only American with experience in running a large bureaucracy," Wright said.

Washington's inauguration was April 30, 1789, at Federal Hall in New York City. He was sworn in by the chancellor of New York, Robert R. Livingston. Vice President Adams was sworn in after Washington. The American military was represented by New York militia companies.

Then the work began. Washington asked Congress for enabling bills to set up the federal government.

"There was a huge spate of legislation. Washington and the Congress had to define what the role of the executive branch would be," Wright said. "Again, trust played an important role. Since Washington was the man responsible for setting the precedents in the executive branch, Congress felt he would do an honorable and ethical job. They gave him a free hand in most instances

and weren't breathing down his neck (to see if he was doing a good job)."

The legislation setting up the first federal agencies flew through Congress: the State Department was authorized on July 27 under Thomas Jefferson; the War Department, August 7 under Henry Knox; Treasury, September 2 under Alexander Hamilton; Postmaster General, September 22 under Samuel Osgood; and the Attorney General, September 24 under Edmund Randolph. The legislation setting up the attorney general also formed the basis of the entire federal judiciary. The speed with which that branch came into being was underscored when the Supreme Court met in session less than six months later.

The Cabinet was another area where military experiences set the tone. There is nothing in the Constitution about a Cabinet. It was not based on any British model because there was nothing resembling it. Washington set the tone by basing the Cabinet on the Council of War he set up for the Continental Army. Cabinet members were comfortable with the arrangement: With the exception of Thomas Jefferson, all had served in the Continental Army. "The Council of War allowed every voice to be heard," Wright said.

"But the decision always belonged to Washington. The vote could be 28 to 1, but if

(Continued on next page)

Washington cast that lone vote, that's the way it went.

"The Cabinet still works that way. Members still give advice, but the decision is left to the president."

In the early days of Washington's tenure, there was near unanimity in how the government was set up.

"There was broad agreement about the Constitution," Wright said. "Eventually, Hamilton and Jefferson 'fell out,' but their disagreements were about fringe issues. No one really questioned the basis for government. The proof of the pudding was the transfer of power from Adams (a Federalist) to Jefferson (a Democrat) in 1801. It was as smooth as silk."

Stealth fighter

The existence of the F-117A "stealth" fighter aircraft was announced recently. The single seat, dual-engine aircraft has been operational since October 1983 and its first flight occurred in June 1981.

Pentagon spokesman Dan Howard said the Air Force revealed the plane's existence mainly so that it can fly the aircraft under less secrecy, go fully operational and fly in the daytime. "When you're running a program where you can only fly the aircraft for a limited number of hours, with very little interface with other units, it's difficult to go into a full-scale, integrated operation," said Howard-assistant secretary of defense for public af-

Stealth bomber

By Jim Garamone
American Forces Information Service

The B-2 bomber -- also called the advanced technology bomber -- has been veiled by the Air Force.

Northrop Corporation is building the bomber, with rollout scheduled at Air Force Plant 42 in Palmdale, California.

The aircraft received its stealth label because it is designed to be close-to-invisible to enemy radars. One key to the bomber is its few flat surfaces for radar waves to reflect from. In addition, much of the plane will be built using compos-

ite materials, which are also poor radar reflectors.

The aircraft will resemble the "Flying Wing" of the 1940's. It is approximately 17 feet high and 69 feet long and has a wingspan of 172 feet. Officials said the craft will be slightly longer than an F-15 fighter, yet will have almost the wingspan of a B-52 bomber.

The B-2 will carry a crew of two. In comparison, the B-1B bomber carries a crew of four and the B-52 six.

Officials expect the aircraft to begin operations in the early 1990's.



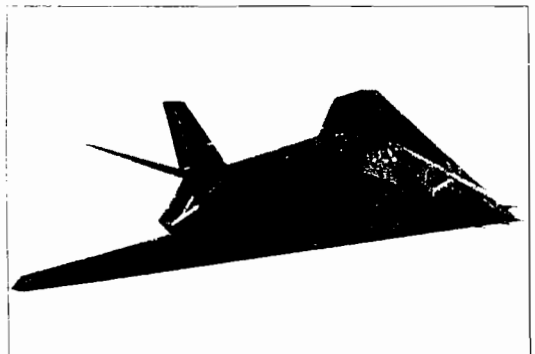
B-2 bomber

fairs. Previously, the aircraft was flown only at night.

With the disclosure of the program, the F-117A moves closer toward supporting worldwide defense commitments, thus adding to the deterrent strength of U.S. military forces.

Fifty-two of the air-

craft have already been delivered to the 4450th Tactical Group at Nellis Air Force Base, Nevada, and another seven are in production.



F-117A fighter



To Your Health

Health advisory labels for beer cans, liquor bottles

By MSgt. Mary A. Peterson,
USA
American Forces Information
Service

Within one year after becoming law, labels on alcoholic beverage containers will warn consumers of the hazards of drinking.

Contained in the Omnibus Drug Bill, the alcohol warning label will read:

"GOVERNMENT WARNING: According to the Surgeon General, women should not drink alcoholic beverages during pregnancy because of the risk of birth defects. Consumption of alcoholic beverages impairs your ability to drive a car or operate machinery, and may cause other health problems."

"Alcohol is America's favorite drug and causes more health and safety problems than all illicit drugs combined," said Christine Lubinski, Washington Representative for the National Council on Alcoholism. "We are now confident that consumers will receive specific health information on alcohol containers."

Drinking during pregnancy is a leading cause of birth defects, which include low birth weight, learning impairment and mental retardation.

And according to the National Center for Statistics and Analysis, about 50 percent of all traffic fatalities occur in alcohol-related crashes.

Microwave message

Microwave ovens heat food fast. But a microwave can injure users if not treated with respect. Follow the manufacturer's instructions when you use your microwave. This will prevent overheating, exploding foods and damage to the unit.

Remember that the container you place in the microwave will absorb heat from the food inside. Expect

it to be hot when you take the food out of the unit. Baby food heated in the microwave may also be hotter than you expect. Test the temperature of the food before giving it to an infant.

Because of the flashing lights and beeper, children may think the microwave is a toy. Supervise them when they use the oven, and warn them that they can get burned.

Food savvy quiz

When it comes to food and nutrition, what you don't know can affect your health. To test your food savvy, take the following quiz. Even if you make the right choices, read the answers to get additional information.

1. Vitamin C prevents infection and promotes healthy gums and blood vessels. Which of these is a good source? (a) oranges, (b) lemons, (c) broccoli.

2. Experts say the most common cause of diarrheal-type food poisoning is (a) staphylococcus, (b) salmonella, (c) campylobacter.

3. To lose a pound in a week, how many calories must you burn off or avoid? (a) 1,000, (b) 3,500, (c) 6,000.

4. Even if you like unusual foods, you will pass on the steak tartar and sushi because: (a) They're too hard to pronounce. (b) Raw meat and fish unbalance your diet. (c) Raw meat and fish carry viruses, parasites, and bacteria.

5. What does potassium do? (a) Promotes fluid balance. (b) Builds strong teeth. (c) Lowers blood pressure.

6. After a storm, it is predicted that electricity will be off for eight hours. What do you do with a freezer full of meat? (a) Put dry ice in the freezer and keep the

(Continued on next page)

door closed. (b) Cook all the meat and put it back when the electricity is restored.

7. Which food has the highest fat content? (a) 1 cup vanilla ice cream, (b) 3 oz. cooked beef sirloin steak, (c) 10 English walnuts.

8. Of the same three foods in question 7, which contains more saturated fat and cholesterol?

9. What is the safest way to thaw a beef roast or a turkey? (a) In the oven, (b) in the refrigerator, (c) on the kitchen counter.

10. If your lunch was a super burger, fries and a chocolate shake, what was the calorie total? (a) 600, (b) 900, (c) 1,150.

Savvy answers

1. All three, but don't overlook broccoli. One stalk has three times more vitamin C than an orange.

2. (c) The newcomer in foodborne illness is often unreported, but it's the front-runner today. Avoid it by never drinking untreated water or raw milk and by cooking meat and poultry completely. *Campylobacter* causes severe diarrhea, cramps, fever and headache lasting up to 7 days.

3. (b) 3,500 to lose one pound. Eat 500 calories less per day, or add exercise which burns that much.

4. (c) Raw meat and fish still carry all the infective agents that attacked the cow or fish during its life.

5. (a) Potassium works with sodium to maintain fluid balance in the body. Some experts think North American's sodium problem may be a low-potassium problem. Sources include cantaloupe, bananas, peaches, dark green vegetables, potatoes and milk.

6. (a) But even without dry ice, a full freezer will keep things frozen up to 2 days; half full, 1 day. Cooked meat should never be uncooled for more than two hours.

7. (c) English walnuts are highest at 32 grams of fat. Ice cream is next with 14, and the trimmed steak has only 8 grams of fat.

8. (a) Ice cream has about 9 grams of saturated fat and 59 milligrams cholesterol per serving.

9. (b) The refrigerator. Thawing on the counter allows bacterial growth on the outer layers. Defrosting in a microwave is also acceptable.

10. (c) That 1,150 calories is more than half of what most adults need in an entire day.

(Source: U.S. Dept. of Agriculture)

Slippin' and slidin'

By Evelyn D. Harris
American Forces Information Service

"The best cold weather driving advice is to avoid driving when it's really bad-if you don't have to drive," said Air Force Master Sgt. Ron Schwind, superintendent of traffic safety programs at the Air Force Inspection and Safety Center at Norton Air Force Base, California.

But if you're on the essential-personnel list or you live in the blizzard belt, you probably have to drive in hazardous condi-

tions. So here are some tips to help prevent an icy disaster:

Keep a winter survival kit in your car. Useful items: a CB or portable CB to radio for help; a blanket, towel and extra clothes (don't forget warm socks); traction mats and an abrasive such as cat litter or sand; snow brush; ice scraper; lock antifreeze; flashlight; flares or triangles; and booster cables. You might also want to store some high-energy food in your glove compartment. Foods that keep well are granola bars, peanuts and

beef jerky.

Drive slowly enough for conditions. "A lot of people get into trouble when they try to drive as fast in snow or ice as they would on a dry road," said Schwind.

Anticipate turns, stops and lane changes so you can make them gradually to avoid skidding.

Ice is most slippery when it is beginning to melt, so take extra care when the temperature is just above freezing. Bridges and low-lying areas freeze first and thaw last, so slow down before you get to them.

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Skidding is caused by quick movements, sudden braking or excessive speed on wet or icy roads. If you do go into a skid, don't panic. "Stay cool and calm, and most of the time you can get out of it," said Schwind. If the road is flat, ease up on the accelerator (don't use the brake) and steer in the direction of the skid until you get traction, then steer in the direction you want to go.

To avoid downhill skids, slow at the crest of the hill and go down the hill using the brakes as little as possible. If you do skid, ease up on the accelerator and steer in the direction you want the car to go. As soon as you start to straighten out, turn the wheels gently in the opposite direction (countersteering) to avoid oversteering.

If you begin skidding while going uphill, turn your wheels in the desired direction. Don't use the brakes until you are back in your lane. On front-wheel-drive cars, you can correct the skid with gentle acceleration. Rear-wheel drive makes correction a little more difficult.



BUCKLE UP!

Civilian drug testing given green light

By Jim Garamone
American Forces Information Service

Drug testing of almost 200,000 civilian employees of the Department of Defense could begin as early as January.

David J. Armor, principal deputy secretary of defense for force management and personnel, announced that 60-day employee notices have approval from the Department of Justice and that a collection system has approval from the Department of Health and Human Services.

DoD is encouraging all services and defense agencies to send their 60-day notices out as soon as possible, informing all employees that a program of drug testing will begin for persons in special testing-designated positions. These employees will receive 30-day test-notice alerts.

Not all employees in testing-designated positions will be tested. "The agencies will test an average of about 15 percent to 18 percent of those people in testing-designated positions," said Sharon H. Cooper, the director of domestic drug programs for DoD. "We don't anticipate

hitting this average right off the bat; we will build up to it."

Military drug testing labs and DoD-certified civilian labs will test samples.

They will test urine for THC (the active ingredient in marijuana), cocaine, PCP, opiates, barbiturates and amphetamines. "The agencies have determined which substances they want to test for," Cooper said. "While we are providing guidance, we want the program to be run by the services and agencies as much as possible."

The urinalyses will include applicant testing, testing for reasonable suspicion, follow-up, government-related accidents and random testing.

Employees who are in testing-designated positions can appeal their inclusion if they feel the positions they occupy should not be included in the testing pool.

The Army has performed limited civilian drug testing already. Armor said in a memo asking about progress that, "I believe that it is imperative for DoD to continue to be a leader in the administration's fight to end drug abuse in our society."



Retiree Review

The pre-Christmas luncheon was a rousing success. A total of 56 gathered for the traditional over-filling turkey dinner.

The tables were appropriately decorated with a personal touch: Each place was adorned with a lovely poinsetta napkin ring, courtesy of Virginia Herald (mine became a lapel decoration at a subsequent Christmas party).

There were no first-time retirees present but Pat Taff brought one guest, her sister, Mildred Williams.

Several regulars were absent: Ruth Pollaro has returned to Texas; the Bakers to California; and Howard Beinke was among the missing.

Two "working" visitors joined us: Barb Boswell and Joan Schmidt (OJT for retirement?). Barb received birthday congratulations.

Joe and Mary Jane Vishy were back. Joe spent a little time in the hospital but says it was a mechanical, not medical, problem.

Elmer Huizenga, MC, was resplendent in his Turkish-Carpet jacket and Roger Cuddeback announced he is going for a new attendance record (now 23 straight luncheons, set by Homer Duff). Rog now has 15. The last luncheon he missed was September '87.

The one sad note of the occasion was the report that Gertrude Hubele, formerly of the Finance Section, had passed away in November.

The annual "basket-passing" for the Salvation Army yielded \$71.75 in donations for that worthy cause.

As an aside: Four couples from the retiree group attended the District Christmas Dinner Dance (up from one, last year): The Cuddebacks, Duffs, Huizengas and Scheuer-

manns. The rest of you missed a good bet! A good meal, dancing, music, open bar for 4 hours, and a constant parade of folks coming to the Retiree Table to say hello!

In any event, let's start '89 off right! Thursday, January 19th, 11:30 a.m., at Pietro's, 3801 Watson Road. Come join us!

Retirements...

Gordon Davis retired with more than 30 years' service with the Corps. Gordon was Chief of the Civil Engineering Section of Design Branch.

George Clapp retired on 13 January, after 50, that's right, 50 years with the St. Louis District. George started working on levees in November 1938. He spent a great deal of his time with the District in the Hydraulics Section. He also worked in Planning and retired while working in the Operations Division.

Condolences

Gertrude Hubele died in November 1988. Ms. Hubele retired from the District in December 1976. She worked in the Voucher Examination Section in DC-F.

Bill Cowgill passed away late in December. Mr. Cowgill was a realty specialist in the Acquisition Branch of the Real Estate Division. He retired in December 1987.

William C. "Bill" Shanks passed away, unexpectedly, on December 31, at age 73. Bill had compiled 37 years of service when he retired from Design Branch in 1973. Bill was a regular at the Retiree Luncheons and will be missed by many friends and colleagues.

Layout problems for ESPRIT

We're sorry for the slightly disheveled look of the January ESPRIT. It is due to the PageMaker update program's inability to operate properly within the memory confines of PA's present computer. We hope to have enough memory for proper operation by next month.

"100 Neediest Cases"

A note of thanks

The Civilian Activities Council extends its most sincere and heartfelt thanks to those who supported our 1988 Christmas Drive. Through your generosity all six of our families were provided the clothing and other goods which had been requested. We are pleased to report that the monetary gifts exceeded our goal. A total of \$941.50 was raised and distributed in time for the Holidays thanks to your contributions. Every penny donated goes directly to the families in question through the efforts of the St. Louis Post-Dispatch and the United Way. We also collected 46 boxes of clothing, food and toys.

In working with the individual agencies and case workers representing the six families we adopted, it becomes evident what a tremendous effect we can have in bringing some happiness and cheer to the lives of those less fortunate than ourselves. We should feel proud as individuals and as an organization under whose name these donations were made. This is "Esprit de Corps."

Again, thank you for your continued support in this and all C.A.C. activities.

Best wishes for a happy new year,
Your Civilian Activities Council